

Report of Analysis

Client:	PSEG	Date Collected:	07/15/25
Project:	PSEG - Gas Con. - McCarter Highway	Date Received:	07/15/25
Client Sample ID:	HR-MCN-01	SDG No.:	Q2614
Lab Sample ID:	Q2614-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/16/25 09:25	07/17/25 11:47	PB168876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	64.5		2	3.07	5.20	mg/kg FE054897.D
Aliphatic C9-C28	Aliphatic C9-C28	12.1		1	1.18	5.20	mg/kg FE054884.D
Total AliphaticEPH	Total AliphaticEPH	76.6			4.25	10.4	mg/kg
Total EPH	Total EPH	76.6			4.25	10.4	mg/kg

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054884.D	1	07/16/25	07/16/25	PB168876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.1		1.18	5.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.5	E	1.53	2.60	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.4		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2614-03	Acq On:	16 Jul 2025 19:48
Client Sample ID:	HR-MCN-01	Operator:	YP\AJ
Data file:	FE054884.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	640400	4.707	300	ug/ml
Aliphatic C12-C16	6.959	10.410	1538076	10.942	200	ug/ml
Aliphatic C16-C21	10.411	13.787	7035402	48.724	300	ug/ml
Aliphatic C21-C28	13.788	17.458	10941392	75.64	400	ug/ml
Aliphatic C28-C40	17.459	22.479	96924283	699.07	600	ug/ml
Aliphatic EPH	3.325	22.479	117079553	839.082		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	5100705	31.41		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4013068	31.78		ug/ml
Aliphatic C9-C28	3.325	17.458	20155270	140.013	1200	ug/ml